

Guide to the Chester Ittner Bliss Papers

MS 1165



compiled by Sheilah Robinson and Carol King

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Collection Overview

REPOSITORY: Manuscripts and Archives
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CALL NUMBER: MS 1165

CREATOR: Bliss, C. I. (Chester Ittner), 1899-1979

TITLE: Chester Ittner Bliss papers

DATES: 1885-1998

BULK DATES: 1918-1976

PHYSICAL DESCRIPTION: 43.54 linear feet (44 boxes)

LANGUAGE: English

SUMMARY: The Chester Ittner Bliss Papers comprise writings and research materials, primarily in the field of biometry. The papers also include lecture notes, committee files, and printed matter.

ONLINE FINDING AID: To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ms.1165>

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To order reproductions from this collection, please go to http://www.library.yale.edu/mssa/ifr_copy_order.html. The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

Key to the container abbreviations used in the PDF finding aid:

b. box
f. folder

Administrative Information

Immediate Source of Acquisition

Gift of Chester I. Bliss estate, 1979.

Conditions Governing Access

The materials are open for research.

Conditions Governing Use

Copyright status for collection materials is unknown. Transmission or reproduction of materials protected by U.S. Copyright Law (Title 17, U.S.C.) beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owners. Responsibility for any use rests exclusively with the user.

Preferred Citation

Chester Ittner Bliss Papers (MS 1165). Manuscripts and Archives, Yale University Library.

Biographical / Historical

Chester Bliss was born in Springfield, Ohio, in 1899. B.A., Ohio State U., 1921; M.A., Columbia, 1922, Ph.D., 1926; asso. entomologist, U.S. Dept. of Agri., New Orleans, 1926-1929, entomologist, Mexico City, 1928, Whittier, Calif, 1930-1933; mem. Inst. Plant Protection, Leningrad, 1935-1937; biometrician Conn. Agr. Exptl. Station, New Haven, 1940-1971; biometrician Storrs, Conn. Expt. Sta., 1940-1953; lecturer at Yale, 1942-1967, 1972. Bliss died in 1979.

Scope and Contents

Writings and research materials, primarily in the field of biometry. The papers also include lecture notes, committee files, and printed matter.

Arrangement

Collection is arranged as received.

Collection Contents

b. 1	Reprint bibliography of Chester I. Bliss <i>7 Folders</i>	1946-1970
Reprints of works by Chester I. Bliss		
b. 1	Numbers 1-50	1924-1945
b. 2	Numbers 51-87	1946-1955
b. 3	Numbers 88-110	1955-1964
b. 4	Numbers 111-132	1964-1970
b. 5	Photograph	Undated
b. 5	Reprints with data and charts	1968
b. 5	Reprint distribution information	1938-1973
b. 5	Chapter 21 (possibly for proposed <i>Statistics in Biology</i> , V. III) <i>2 Folders</i>	1961-1971
b. 5	Bliss bibliography	1964-1975
b. 5	Outline of Biometry mimeo handouts <i>2 Folders</i>	Undated
b. 41, f. 92	Charts of planets	Undated
b. 6	Reprints by others	1951-1969
b. 6	Anscombe, F. J.	1947-1962
b. 6	Armitage, P.	1950-1969
b. 6	Bartalett, M. S. <i>2 Folders</i>	1953-1967
b. 6	Berkson, J. <i>2 Folders</i>	1947-1960
b. 6	Bradley, R. A. <i>2 Folders</i>	1952-1966
b. 6	Cochran, W. G.	1939-1967
b. 7	Fisher, R. A. <i>6 Folders</i>	1918-1950
b. 7	Galstoff, P. S.	1885-1960
b. 7	Hazard, John N. <i>2 Folders</i>	1936-1956
b. 8	Nagasawa, S. <i>2 Folders</i>	1949-1965

b. 8	Yates, F.	1930-1949
	General	
b. 8	Blo-Bly	Undated
b. 8	C-D	Undated
b. 9	E-K <i>2 Folders</i>	1934-1976
b. 9	L-S <i>2 Folders</i>	1955-1967
b. 9	T <i>2 Folders</i>	1940-1962
b. 9	W <i>2 Folders</i>	1944-1955
b. 9	Reprints from Paul-Erich Institute <i>2 Folders</i>	1950-1954
b. 9A	Bibliographic card file	Undated
b. 10	Reprints from Paul-Erich Institute and Program directories (old)	1954-1957
b. 10	Schedules and maps <i>2 Folders</i>	1952-1954
b. 10	New York random sample poultry test	1953-1955
b. 10	Catalogues	1962-1973
	Correspondence, drafts, and data arranged according to reprint bibliography number	
b. 11	Numbers 7-84	1934-1954
b. 12	Numbers 86-133	1954-1970
b. 13	Yale statistical laboratory	1958-1961
b. 13	Biometric Society (Eastern North American Region)	1960-1969
b. 13	Biometrics	1966-1968
b. 13	Biometric Society circular	Undated
b. 13	American Statistical Association	1971-1976
b. 13	American Institute of Biological Sciences	1968-1970
b. 13	United States Pharmacopeia (USP) bioassays	1954-1974
b. 13	International Statistical Institute (ISI)	1966-1971
b. 13	Medicare	Undated
b. 13	Council of Foreign Relations	1957-1967

b. 13	Handout, Christmas meeting	1955
b. 13	American Association for the Advancement of Science (AAAS)	1968
b. 13	Bioassay lectures	1972
b. 13	Correspondence abroad	1953-1954
b. 13	Correspondence file for continent	1953-1954
b. 13	Passport and trip to South America	1955
b. 13	Fulbright application, etc.	1952-1953
b. 13	Sandusky, Ohio property	1956-1963
b. 13	General reports, correspondence, and staff lists	1940-1970
b. 13	Applications and vitae	1938-1949
b. 13	Correspondence file for England	1953-1954
b. 13	Correspondence file for continent	1953-1954
b. 13	Correspondence	1973
b. 13	Cambridge conference	1962-1963
b. 13	Finances <i>3 Folders</i>	1972-1973
b. 13	Correspondence <i>2 Folders</i>	1971-1972
b. 14	Animal vitamin assays	1965-1967
b. 14	Chapter 2, Statistical methods in bioassay	1966
b. 14	Correspondence	1970
b. 14	Corn borer counts	1937-1942
b. 14	Vitamin A	1965-1966
b. 14	Gyorgy book correspondence	1963
b. 14	Statistics of bioassay, vitamin assay examples	1943-1947
b. 14	Niacin, vitamin B6, pantothenic, folic acid, biotin	1965-1967
b. 14	Vitamin D	1964-1966
b. 14	Vitamin C, thiamine, riboflavin	1965-1966
b. 14	Vitamin K handouts	1939
b. 14	Analysis of Morrell's vitamin A assay	1939
b. 14	Vitamin K, Gyorgy book	Undated

b. 14	A course in Biometry for graduate students in Biology	Undated
b. 14	Chapters 2-4, exercises	1935-1953
b. 14	Chapters 5-6, examples	1946
b. 14	Chapters 7-8, exercises	Undated
b. 14	Chapters 9-11, exercises	1948-1961
b. 14	Biometric Society	1963
b. 14	Biometric Society: International	1964
b. 14	Biometric Society Council	1965
b. 14	Biometric Society	1962
b. 14	Biometric Society reference file	1950-1959
b. 14	ISI London	1969
b. 14	Outline of biometry (Botany 157)	1947
b. 14	Pharmacology III	1945
b. 14	Periodic regression computer program	1960
b. 14	Course content of statistics for biologists, Biometric Society Report	1955
b. 14	Experiments on codling moth control, USDA; reports of statistical studies	1929-1930
b. 14	MSS: Standardization of entomological field experiments	1926-1927
b. 14	Entomological data and statistical distributions: outline and ms	1937
b. 14	Paper by Lubischew for biometrics	1962
b. 14	USDA project reports	1928
b. 14	Injection tests with oncopeltus <i>2 Folders</i>	1951-1956
b. 14	Determination of drug potency in man	1952-1967
b. 14	Horsfall lectures	1956
b. 14	Statistical lectures	1956
b. 14	Biological assays conference	1949
b. 15	Lectures	1940-1942, 1962
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b. 15	Cycles	1961-1962
b. 15	Dr. John Haldi, Emory University School of Medicine	1948
b. 15	Agarol investigation	1943-1944

b. 15	Correspondence with Vahlteich, Peck, etc.	1941
b. 15	Alexander Finlay, Charles Pfizer and Company	1943
b. 15	Experiment on tobacco smoke	1946
b. 15	Philip Morris and Co. report	1944
b. 15	Decompression sickness, University of Cincinnati	1945
b. 15	Official tests for the control of quality	1951-1952
b. 15	U.S. Fish and Wildlife Service	1941
b. 15	U.S.D.A. corn borer projects	1930-1942
b. 15	Conference at Wallace Laboratories	1966
b. 15	Conferences at Ciba, Reserpine	1954
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b. 15	Finances	1962
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b. 15	Insulin Assay	1954
b. 15	Parathyroid assay	1954
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b. 15	Monte Carlo posterior pituitary study	Undated
b. 15	United States Pharmacopeia (U.S.P.) correspondence	1950-1955
b. 15	U.S.P. XV Statistical chapter	Undated
b. 15	Antibiotic assay	1954
b. 15	Corticotropin standard Armour data	1954
b. 15	Heparin assay	1954-1955
b. 15	Personal correspondence	1942-1947
b. 15	Family correspondence	1956-1959
b. 15	Correspondence A	1946-1957
b. 15	Correspondence Ba-BI	1939-1966
b. 15	Correspondence Bo-By	1941-1966
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b. 15	Correspondence Co-Cz	1941-1965

b. 15	Correspondence W.G. Cochran	1940-1966
b. 15	Correspondence Gertrude M. Cox	1941-1966
b. 16	Correspondence D	1942-1963
b. 16	Correspondence E	1943-1963
b. 16	Correspondence F	1945-1960
b. 16	Correspondence D.J. Finney	1943-1963
b. 16	Correspondence Ronald A. Fisher A copy of this material is available in digital form from Manuscripts and Archives. Contact Manuscripts and Archives at beinecke.library@yale.edu to request access to the digital copy.	1941-1960
b. 16	Correspondence G A copy of this material is available in digital form from Manuscripts and Archives. Contact Manuscripts and Archives at beinecke.library@yale.edu to request access to the digital copy.	1941-1965
b. 16	Correspondence H	1941-1965
b. 16	Correspondence I	1941-1966
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b. 16	Correspondence K	1955-1960
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b. 16	Correspondence Ma-Me	1944-1964
b. 16	Correspondence McGraw-Hill	1957-1961
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b. 16	Correspondence Miller, Lloyd	1941-1957
b. 16	Correspondence N	1941-1966
b. 16	Correspondence, Nagasawa, Sumio	1955-1957
b. 16	Correspondence National Science Foundation	1954-1957
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b. 17	Vol. II contents, figures, analysis of growth data	Undated
b. 17	Outline of biometry notes	1950-1954
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b. 17	Radio immuno assays (RIA)	1968
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b. 17	Analysis of Growth Data	1939-1949
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b. 18	RIA MSS	1967

b. 18	Endocrine statistics notes	1967
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b. 18	RIA handouts	Undated
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b. 18	USP-parathyroid assay	1940-1941
b. 18	Virus assays-J.W. Fisher	1947
b. 18	Chicken tumor assay-Bryan	1946
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b. 19	Statistical methods in medicine	1959
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b. 19	Handouts at Vanderbilt U.	1956
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b. 19	Summer course at Raleigh, N.C.	1941
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b. 19	Analgesic Study: Winthrop	1947
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b. 21	Fumigation experiments with drosophila	1935
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b. 21	Effects of temperature upon toxicity of HCN to red scales	1932
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b. 21	The control of heterogeneity: outline, manuscript, notes	1937
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b. 22	Symposium on drug evaluation, Florida	1968
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b. 22	Visit of R.A. Fisher A copy of this material is available in digital form from Manuscripts and Archives. Contact Manuscripts and Archives at beinecke.library@yale.edu to request access to the digital copy.	1957-1958
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b. 22	Fitting the rectangular hyperbola, xerox copy	1965-1966
b. 22	Data analysis and behavioral science, J.W. Turkey <i>2 Folders</i>	1966
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b. 22	Project: Fruit and shade tree insects	1933
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b. 23	Finances	1967
b. 23	Notes on assay of Vitamin B12	1952-1955
b. 23	Microbial assay MSS	1954-1955

b. 23	Calcium pantothenate	1954
b. 23	U.S.P. vitamin advisory board	1953-1954
b. 24	Miscellaneous symposia printed matter <i>2 Folders</i>	1940-1967
b. 24	Discrete distribution symposium, I <i>2 Folders</i>	1963
b. 24	Discrete distribution symposium, II <i>2 Folders</i>	1963
b. 24	ISI and IMS Symposia <i>2 Folders</i>	1963
b. 24	Cambridge Biometric Conference, I	1963
b. 24	Cambridge Biometric Conference, II	1963
b. 25	Notebook from ISI symposium	1967
b. 25	USDA publication #366	1941
b. 25	Paper by J. Tripod	Undated
b. 25	Paper by Leopold Martin	Undated
b. 25	Chapter 29	Undated
b. 25	Chapter 27	Undated
b. 25	Connecticut Agricultural Experiment Station record of the years	1968-1970
b. 25	USAF bulletins	1960-1962
b. 25	<i>Tables For Use With Binomial Samples</i>	1956
b. 25	<i>Poisson's Exponential Binomial Limit</i>	1942
b. 25	Reference tables from biometrika	1943
b. 25	Statistics for Biologists, Chapters 25-28	Undated
b. 25	Statistics for Biologists, Chapter 26	Undated
b. 25	Animal Nutrition Research	1964-1975
b. 25	Council symposium material	1953-1956
b. 25	Miscellaneous bulletins	1953-1956
b. 25	Membership lists/directories of various professional societies <i>4 Folders</i>	1963-1976
b. 26	Notebook of tables	1947-1954
b. 26	Chapter 27	1934-1952
b. 26	Chapter 25	1947-1948

b. 26	Chapter 21 (binder reads 24)	1957
b. 26	Collaborative assay of USP standard insulin	1944
b. 26	Chapter 23	1952
b. 26	USP insulin advisory board	1950-1954
b. 26	USP Corticotropin (ACTH) assay study panel	1951
b. 26	Notebook (not labeled)	1952
b. 26	Lecture by J.W. Tukey	1950
b. 26	Report #5, Agriculture Experiment Station, Iowa	1950
b. 26	<i>Statistical Tables for Biological Agricultural and Medical Research</i>	1963
b. 27	Chapter 18, <i>Statistics in Biology Vol. II</i> 2 Folders	Undated
b. 27	Chapter 19	Undated
b. 27	Chapter 17	Undated
b. 27	Notebooks (not labeled) 2 Folders	Undated
b. 27	Class/Lecture notes 2 Folders	Undated
b. 27	Syllabus and exercises	Undated
b. 27	Chapter 14-20 (printed) of <i>Statistics in Biology, Vol. II</i> in 3 ring binders 4 Folders	Undated
b. 28	Vitamin D chick assay, AVRC collaborative study: original data	1944
b. 28	Anti-thyroid tests data from McGinty and Bywater	1944-1945
b. 28	Report and original data from USP penicillin assay	1944
b. 28	Bioassay of adrenal cortex extract, correspondence with Pabst, original data	1948-1953
b. 28	Biological assay, Bliss and Cattell, references and calculations	1936-1941
b. 28	Original data on USP reference standard in cats	1942-1946
b. 28	Heart measurements of growing boys and girls, Meresh data and analysis	1950-1951
b. 28	Meprobamate bibliography (unabridged)	1958
b. 28	Notes from a Laboratory of Medical Statistics 2 Folders	1964-1965
b. 29	Notes from a Laboratory of Medical Statistics 3 Folders	1959-1964

b. 29	Donald Mainland notes on medical statistics <i>3 Folders</i>	1966-1970
b. 29	Outline of biometry mimeo handouts <i>3 Folders</i>	1941-1953
b. 29	Tentative contents for <i>An Outline of Biometry Diary</i>	1941
b. 29	<i>Statistics in Biology, Vol. II</i> - Chapters 14-16, 20 <i>4 Folders</i>	Undated
b. 30	Miscellaneous date <i>2 Folders</i>	1941-1969
b. 30	Notebook (not labeled)	1947
b. 30	Lecture notes	1961
b. 30	<i>Appreciation of R.A. Fisher</i>	1962-1963
b. 30	Chapter 27	Undated
b. 30	Reprint by Bliss	Undated
b. 30	Data and notes for Vol. III of <i>Statistics in Biology</i>	1947
b. 30	Chapter 25	Undated
b. 30	Miscellaneous papers from desk	1977-1998
b. 30	Kraemer Bulletin --- Static Bending Tests	1948
b. 31	Sampling surveys	1952-1953
b. 31	Logarithmic distribution	1939-1963
b. 31	Complex contingency tables	1958-1959
b. 31	Extensions of the binomial	1952-1956
b. 31	Balanced incomplete blocks	1936-1937
b. 31	Preference tests	1949-1953
b. 31	Partial correlation	1950-1955
b. 31	Numerical examples - drug assays	1946-1970
b. 31	Chapter 21: Stan Bergman copy	1946-1951
b. 31	Complex designs	1943-1965
b. 31	Functional relations	1946-1953
b. 31	Discriminants for assays	1955-1965
b. 31	Unequal sub-class numbers	1955-1965
b. 31	Pea aphids	1942-1943

b. 31	Bean beetle - Tuner	1942-1946
b. 31	Grape berry moth-Still	1938-1954
b. 31	Collaborative analgesic experiments	1947
b. 32	Finances	1961
b. 32	Chapter 7	Undated
b. 32	Income tax-old	1938-1949
b. 32	Income tax - old	1951-1955
b. 32	Income tax - old	1949
b. 32	Class in biometry <i>18 Folders</i>	1943-1961
b. 32	Yale Class <i>3 Folders</i>	1962-1965
b. 32	Letters received and sent to Bliss while in Europe Sabbatical year	1953-1961
b. 32	Gause visit	1959-1960
b. 32	Visit to Russia	1960-1961
b. 32	Arrangements for world trip	1961
b. 32	Outline of biometry	1954
b. 32	R.A. Fisher memorial	1962-1966
b. 32	Conferences in Canada, ISI Discrete symposium	1963
b. 32	Contrasts	1961-1962
b. 32	Correspondence	1951
b. 32	Statistical seminars	1951
b. 32	<i>American Heart Journal</i>	1954-1958
b. 32	Correspondence with Kit	1961-1962
b. 32	Fisher obituaries, bibliographies, etc	1954-1963
b. 32	ENAR	1955-1958
b. 32	Sub-committee on biology of the committee on applied mathematical statistics, NRC	1946-1954
b. 32	War gas research	1943-1945
b. 32	Reference tables	1943-1951
b. 32	Nomograph of obtaining logit 1	1944
b. 32	Table II: corrected and expected probits	1941

b. 33	Finances	1972-1978
b. 33	Validating the anova	1955
b. 33	Yale Class biometry 157	1965-1968
b. 33	Correspondence	1974-1975
b. 33	AAAS	1971
b. 33	Biometric society	1967-1976
b. 33	Statistical lab - Yale	1962-1968
b. 33	McGraw-Hill marketing	1965-1977
b. 33	Letters and accounts, McGraw-Hill book	1965-1973
b. 33	Paul DesRoche	1974-1975
b. 33	Correspondence	1966-1978
b. 33	Reprints for binding	Undated
b. 33	Masters rectangular hyperbola	Undated
b. 33	Chapter 21 - bioassays from Parallel regressions	1956-1966
b. 33	Outline of book: other projects	Undated
b. 33	Other insect counts	Undated
b. 33	Parallel-line bioassays	1953-1966
b. 33	Penicillin assays MSS	1944-1946
b. 33	Bioassays examples	1941-1958
b. 33	Bioassays exercises	1941-1958
b. 33	Bioassays with convariance	1938-1963
b. 33	Slope-ratio assays	1951-1956
b. 34	Convergent slopes-examples	1952-1959
b. 34	Comparison of slopes	1951-1956
b. 34	Associated measurments	1960-1962
b. 34	Bivariate distributions	1946-1958
b. 34	Two distributions of counts	1964-1969
b. 34	Poisson distributions	1940-1970
b. 34	Negative binomials	1943-1968
b. 34	Incomplete distributions	1938-1967

b. 34	Negative binomials with a common K	1942-1955
b. 34	Discrete log-normal	1948-1963
b. 34	Overdispersed distributions	1948-1970
b. 34	Other count distributions	1959-1970
b. 34	Comparison of counts	1942-1970
b. 34	Chapter 27 incomplete	1939-1951
b. 34	The significance of a difference	1950
b. 34	Angular transformation <i>3 Folders</i>	1938-1968
b. 34	Square-root transformation	1936-1970
b. 34	Logarithmic transformation	1938-1963
b. 34	Discriminants with counts	1959-1961
b. 34	Regressions from counts	1943-1955
b. 34	Human assay of digitalis	1942-1959
b. 34	Dosage-mortality curves for insects	1933-1941
b. 34	All-or-none bioassays	1948-1961
b. 35	Probit curves	1943-1965
b. 35	Regression with entomological data, linear and partial	1919-1937
b. 35	Curves in angles	1953-1955
b. 35	Dosage-Mortality Curves from survivors	1940-1943
b. 35	Joint action of drugs	1941-1966
b. 35	Joint toxic action	1934-1956
b. 35	Sequential samples	1944-1957
b. 35	Masters probit analysis	1951
b. 35	Masters insect trap records	1939
b. 35	Masters periodic regression	Undated
b. 35	Chapter 23	Undated
b. 35	Chapter 27 masters	Undated
b. 36A	Card file - A-J	Undated
b. 36B	Card file - K-Z	Undated
b. 36C	Card file - A-Z	Undated

b. 37	Reprints (research for chapter 27?)	Undated
b. 37	Papers given by others at symposia	1976
b. 37	ISI <i>2 Folders</i>	1971
b. 37	Articles and reports by others	1973-1976
b. 37	Biometric Society	1975-1976
b. 37	Reprints by others	1943-1965
b. 37	NBS	1971
b. 38	USP XII bulletins	Undated
b. 39	Computer print-outs	1967
b. 40	Convariance-Finney	Undated
b. 40	Charts, graphs on assorted topics	Undated
b. 40	Correspondence/greeting cards	Undated
b. 40	Mathematical statistics notebook	Undated
b. 40	Lattice squares in corn selection tests, calculations and data	1941
b. 40	Symposium notebook	1953

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

Subjects

Biology
Biometry
Biometry -- Study and teaching
Mathematics
Science
Statistics

Occupations

Biometricians

Names

Bliss, C. I. (Chester Ittner), 1899-1979

Corporate Body

Yale University -- Faculty